

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for multimedia encryption comprising:

 means for compressing a media signal, said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next ~~or chaotic noise that is somewhat predictable over time~~;

 a data compression ~~module~~ means coupled to receive and compress the media signal containing random noise that is completely unpredictable from one moment to the next ~~or chaotic noise that is somewhat predictable over time~~ into a compressed data stream;

 a data acquisition ~~module~~ means coupled to receive and select a set of data from the compressed data stream; and

 a hashing ~~module~~ coupled means to receive and hash the set of data into a keyword.
2. (Original) The system of claim 1 wherein the set of data is one frame of data within the compressed data stream.
3. (Original) The system of claim 1 wherein the set of data crosses over several frame boundaries within the compressed data stream.
4. (Original) The system of claim 1 wherein:

 the compressed data stream includes compression transform coefficients; and

 the set of data includes a set of compression transform coefficients.
5. (Original) The system of claim 1 wherein:

 the compressed data stream includes data frames of varying length;

and

the set of data includes a set of data frames.

6. (Original) The system of claim 1 wherein:

the compressed data stream includes predictive data frames; and

the set of data includes a predictive data frame.

7. (Original) The system of claim 1:

wherein the media signal includes a noise signal amplitude;

further comprising,

an analog to digital converter, having a quantization step size smaller than the noise signal amplitude, coupled to receive and quantize the media signal; and

wherein the data compression module compresses the quantized media signal into a compressed data stream.

8. (Original) The system of claim 1 wherein the data compression module compresses the media signal into one from a group consisting of: MJPEG, MPEG1, MPEG2, or MPEG4, H.261, H.320, and H.323 formats.

9. (Original) The system of claim 1 further comprising:

a pseudo-random number generator coupled to receive and process the keyword in to a set of keywords.

10. (Currently Amended) A method for multimedia encryption, comprising the steps of:

compressing a media signal, said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next ~~or chaotic noise that is somewhat predictable over time;~~ ;

selecting a set of data from the compressed media signal; and

hashing the set of data into a keyword.

11. (Original) The method of claim 10 wherein:

the compressed media signal includes data frames; and

the selecting step includes the step of selecting one frame of data.

12. (Original) The method of claim 10 wherein:

the compressed media signal includes data frames and data frame boundaries; and

the selecting step includes the step of selecting a set of data which crosses over several data frame boundaries.

13. (Original) The method of claim 10 wherein:

the compressed media signal includes compression transform coefficients; and

the selecting step includes the step of selecting a set of compression transform coefficients.

14. (Original) The method of claim 10 wherein:

the compressed media signal includes data frames of varying length; and

the selecting step includes the step of selecting a set of data frames.

15. (Original) The method of claim 10 wherein:

the compressed media signal includes predictive data frames; and
the selecting step includes the step of selecting a predictive data frame.

16. (Original) The method of claim 10:

wherein the media signal includes a noise signal amplitude;
further comprising the step of quantizing the media signal with a quantization step size smaller than the noise signal amplitude; and

wherein the compressing step includes the step of compressing the quantized media signal.

17. (Currently Amended) A system for multimedia encryption, comprising:

means for compressing a media signal, said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next ~~or chaotic noise that is somewhat predictable over time;~~

means for selecting a set of data from the compressed media signal;
and

means for hashing the set of data into a keyword.

18. (Original) The system of claim 17 wherein:
the compressed media signal includes data frames; and
the means for selecting includes means for selecting one frame of data.

19. (Original) The system of claim 17 wherein:
the compressed media signal includes data frames and data frame boundaries; and
the means for selecting includes means for selecting a set of data which crosses over several data frame boundaries.

20. (Original) The system of claim 17 wherein:
the compressed media signal includes compression transform coefficients; and
the means for selecting includes means for selecting a set of compression transform coefficients.

21. (Original) The system of claim 17 wherein:
the compressed media signal includes data frames of varying length; and
the means for selecting includes means for selecting a set of data frames.

22. (Original) The system of claim 17 wherein:
the compressed media signal includes predictive data frames; and

the means for selecting includes means for selecting a predictive data frame.

23. (Original) The system of claim 17:

wherein the media signal includes a noise signal amplitude;

further comprising means for quantizing the media signal with a quantization step size smaller than the noise signal amplitude; and

wherein the means for compressing includes means for compressing the quantized media signal.

24. (Currently Amended) A computer-useable medium embodying computer program code for multimedia encryption by executing the steps of:

compressing a media signal, said media signal having the capacity of containing random noise that is completely unpredictable from one moment to the next ~~or chaotic noise that is somewhat predictable over time~~;

selecting a set of data from the compressed media signal; and

hashing the set of data into a keyword.

25. (Original) The computer-useable medium of claim 24 wherein:

the compressed media signal includes data frames; and

the selecting step includes the step of selecting one frame of data.

26. (Original) The computer-useable medium of claim 24 wherein:

the compressed media signal includes data frames and data frame boundaries; and

the selecting step includes the step of selecting a set of data which crosses over several data frame boundaries.

27. (Original) The computer-useable medium of claim 24 wherein:

the compressed media signal includes compression transform coefficients; and

the selecting step includes the step of selecting a set of compression transform coefficients.

28. (Original) The computer-useable medium of claim 24 wherein:
the compressed media signal includes data frames of varying
length; and

the selecting step includes the step of selecting a set of data frames.

29. (Original) The computer-useable medium of claim 24 wherein:
the compressed media signal includes predictive data frames; and
the selecting step includes the step of selecting a predictive data
frame.

30. (Original) The computer-useable medium of claim 24:
wherein the media signal includes a noise signal amplitude;
further comprising the step of quantizing the media signal with a
quantization step size smaller than the noise signal amplitude; and
wherein the compressing step includes the step of compressing the
quantized media signal.